To: Safadi, Amer[Safadi.Amer@epa.gov]; Vann, Bradley[Vann.Bradley@epa.gov]
From: Juett, Lynn
Sent: Fri 2/19/2016 5:14:16 PM
Subject: RE: Pb210 by Gamma LEPS Data - Enformable Latty Ave sample - Eberline 16-01135

Amer – thanks so much for sharing, please keep me in the loop on discussions between the USACE and the railroad for follow up sampling. Thanks!

Thank you,

Lynn M. Juett

Branch Chief

Missouri/Kansas Remedial Branch

Superfund Division/US EPA Region 7

11201 Renner Blvd, Lenexa KS 66219

(913) 551-7883 (d) / (913) 948-1129 (c)

From: Safadi, Amer
Sent: Friday, February 19, 2016 10:52 AM
To: Vann, Bradley <Vann.Bradley@epa.gov>
Cc: Juett, Lynn <Juett.Lynn@epa.gov>
Subject: RE: Pb210 by Gamma LEPS Data - Enformable Latty Ave sample - Eberline 16-01135

Thanks Brad

From: Vann, Bradley
Sent: Friday, February 19, 2016 10:36 AM
To: Safadi, Amer <Safadi.Amer@epa.gov>
Cc: Juett, Lynn <Juett.Lynn@epa.gov>
Subject: FW: Pb210 by Gamma LEPS Data - Enformable Latty Ave sample - Eberline 16-01135

Amer, more on the “Latty Ave” item from Branden.

Bradley Vann - Remedial Project Manager

U.S. Environmental Protection Agency

Superfund Division

Missouri/Kansas Remedial Branch

11201 Renner Blvd.

Lenexa, KS 66219

Phone: 913-551-7611

Fax: 913-551-9611

Cell: 816-714-0331

From: Doster, Branden [mailto:branden.doster@dnr.mo.gov]
Sent: Friday, February 19, 2016 10:32 AM
To: Evans, Erin <Evans.Erin@epa.gov>; 'josephine.a.wade@usace.army.mil' <josephine.a.wade@usace.army.mil>; Garoutte, Jonathan <Jonathan.Garoutte@health.mo.gov>; Mahler, Tom <mahler.tom@epa.gov>
Cc: Vann, Bradley <Vann.Bradley@epa.gov>; Schmidt, Aaron <aaron.schmidt@dnr.mo.gov>; Juett, Lynn <Juett.Lynn@epa.gov>
Subject: RE: Pb210 by Gamma LEPS Data - Enformable Latty Ave sample - Eberline 16-01135

All:

FYI… just received this email and attachments that include an interim data report.

Thanks,
Branden

From: Marco Kaltofen [mailto:mpkaltofen@gmail.com]
Sent: Thursday, February 18, 2016 3:39 PM
To: Taylor, Shantell
Cc: lhixson; Robert Alvarez
Subject: Latty Avenue Site - New data from Eberline Laboratory

Dear Ms. Taylor,

You may recall that a couple of weeks ago we spoke about a particularly high activity sample we collected in our study of radioactive materials related to the West lake Landfill in the St. Louis area. We have accumulated further data on this sample. It is our believe that it would be more protective of the public health to provide your office with these data immediately, rather than wait months for scientific publication.

I have attached the interim data report from Eberline Laboratory of Oak Ridge, TN. Eberline is performing an analysis of this material on our behalf. (See attached Excel file number 06-01135) This work is part of our follow-up to our recent study published in the Journal Environmental Radioactivity (attached).

The sample was collected in the railroad spur area adjacent to Coldwater Creek at Latty Avenue in Hazelwood, MO. As you can see from the attachment prepared by the laboratory, 230-Th activity is 10,923 pCi/g. Total Uranium activity in this sample is 854 pCi/g, with an enrichment level for 235-U of 4.1%, which is about average for civilian grade nuclear fuel materials. The total sample activity is 320 KBq/kg (320,500 Bq/kg). These numbers are very significantly elevated above all pertinent environmental standards.

We also have a great deal of back up data for this sample. In particular, the microscopic analysis shows that the material contains respirable particles with 10 to 46 % by weight pure uranium. Three of the files labelled Latty, particle 4, show examples of this microscopic analysis.

Given the elevated activity of the sample in this location, we would like to get a copy of this data to the Corps of Engineers office in St. Louis. If you prefer that the COE get any notice directly

from the MO AGO, that is more than acceptable to us. If not, if you have a preferred contact at the COE, we would be happy to send the information directly.

Please let me know if you have any questions about these data.

Very truly yours,

Marco Kaltofen, PhD, PE (Civil, MA), C. NSE

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cc: L. Hixson, R. Alvarez